UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,836,581 B1
APPLICATION NO. : 10/659987
DATED   : December 28, 2004
INVENTOR(S) : Ping Xie et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1
Line 30, change "portion" to --portions--
Line 59, change "nukes" to --makes--

Column 2
Line 61, change "cording" to --combining--

Column 3
Line 1, change "cells" to --channels--
Line 38, change "dispersions" to --dispersion--
Line 63, change "wet" to --with--

Column 4
Line 5, change "adjust" to --adjustment--
Line 55, change "chan" to --channels--

Column 6
Line 46, change "130,160" to --140,170--
Line 56, change "

$$Equation\ 3: \quad PhaseShift \equiv 2\pi \frac{\Delta}{\lambda_0} \equiv 2\pi f \frac{\Delta L}{c}$$

" to

$$--\quad Equation\ 3: \quad PhaseShift \equiv 2\pi \frac{\Delta L}{\lambda_0} \equiv 2\pi f \frac{\Delta L}{c} \quad --$$

Column 7
Line 5, change "with" to --within--
Line 12, change "chapels" to --channels--
Line 26, change "experience" to --experiences--
Line 31, change "multiplexes" to --multiples--
Line 33, change "380°" to --360°--
Line 41, change "experience" to --experiencing--

Column 8
Line 30, change "fat" to --fast--
Line 48, change "diagram" to --diagrams--
Line 51, before "this example" change "m" to --in--
Line 54, change "cannel" to --channel--
Line 63, change "show" to --shown--

Column 9
Line 1, change "filer" to --filter--
Line 52, change "filter" to --further--

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Column 10
Line 1, change "pa" to --path,--
Line 6, after "Path 516 would" remove "in"
Line 38, before "which split/combine" remove "may"
Line 47, change "right" to --might--
Line 55, after "stopbands" remove "of"
Line 57, change "en" to --embodiment--

Column 11
Line 4, after "invention" insert --,--
Line 7, after "coupling would" remove "for"
Line 10, after "following" remove "."
Line 12, change "sub stage" to --sub-stage--
Line 36, change "cussed" to --discussed--
Line 40, change "con cation" to --communication--
Line 55, after "138 with the" change "re" to --remaining--

Column 12
Line 2, change "shows" to --shown--
Line 12, change "fist" to --fast--
Line 16, change "mad" to --and--
Line 31, change "pats" to --paths--
Line 52, change "sub-stages" to --sub-stage's--
Line 60, change "charnel" to --channel--

Column 13
Line 9, change "shi" to --shift--
Line 14, change "fill" to --full--
Line 22, before "Table 2" remove "."
Line 66, after "720, 740, 750" change "is" to --are--

Column 14
Line 18, after "fundamental cell" insert --,--
Line 20, before "odd or even" change "at" to --adjacent--
Line 39, change "sub stage" to --sub-stage--
Line 46, change "sub stage" to --sub-stage--
Line 53, change "transmit" to --transmits--

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Column 15
Line 25, after "polarization" change "was" to --axis--
Line 27, change "bean" to --beam--
Line 56, change "lights 140" to --light 1140--

Column 16
Line 11, change "fight" to --light--
Line 13, after "polarization" change "as" to --axis--

Column 17
Line 23, change "my" to --may--
Line 27, change "centered" to --cemented--
Line 45, change "fist" to --first--
Line 46, change "118-1182" to --1180-1182--

Column 18
Line 9, change "pt" to --path--
Line 9, after "sum of" insert --the--
Line 35, change "path" to --paths--
Line 44, change "5A" to --8A--

Column 19
Line 1, change "born" to --beam--

Column 20
Line 2, before "axis" change "they" to --the y--
Line 6, change "x" to --axis--
Line 25, change "bean" to --beam--
Line 30, change "fiction" to --function--
Line 39, change "reflection" to --refraction--
Line 52, change "θ_{52}" to --θ_{S2}--
Line 62, change "pats" to --paths--

Column 21
Line 13, after "plasma" insert --,--
Line 13, change "θ_{P1}" to -- θ_{S1}--
Line 31, change "pats" to --paths--
Line 35, change "spectra" to --spectral--

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 22

Line 10, change "present" to --paths--

Line 11, change "fight" to --light--

Line 30, change "path" to --paths--

Line 31, change "pats" to --paths--

Line 45, change "rage" to --magnitude--

Line 50, change "Tis" to --This--

Line 60, change "stream" to --streams--

Line 62, after "substantially" insert --be--

Line 63, change "degree" to --degrees--

Line 63, after "substantially" insert --be--

Line 64, change "degree" to --degrees--

Line 67, after "substantially" remove "to"

Column 23

Line 17, change "Wave guide" to --Waveguide--

Line 44, change "thermal" to --thermally--

Line 48, change "bit" to --exhibit--

Line 50, change "charnels" to --channels--

Column 24

Line 8, change "pats" to --paths--

Line 20, change "pats" to --paths--

Line 26, change "f" to --of--

Table 3, change

"

TABLE 3

	@1550 nm	vacuum	Air	BK7	SFS	Fused Silica	BaK1	LaSFN30
1								
2	n	1	1.00027	1.50066	1.64329	1.44409	1.55517	1.77448
3	dn	0	0*	0.907465	1.407	13.7	0.066	2.293

$$\beta = \text{--} \, x10^6$$

dt

4	ax10^6	0	0*	5.1	8.2	0.52	7.6	6.2

*assuming constant volume

"

to

--

TABLE 3

	@1550 nm	Vacuum	Air	BK7	SF5	Fused Silica	BaK1	LaSFN30
1								
2	n	1	1.00027	1.50066	1.64329	1.44409	1.55517	1.77448
3		0	0*	0.907465	1.407	13.7	0.066	2.293

$$\beta = \frac{dn}{dt} \, x10^{-6}$$

4	ax10^{-6}	0	0*	5.1	8.2	0.52	7.6	6.2

*assuming constant volume

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Column 25

Line 3, change "rows" to --row--

Line 4, change "a" to --α--

Line 11, change "L16=862" to --L16=2.862--

Line 12, remove "is FIG. 2c"

Line 37, change "harmonics" to --harmonic--

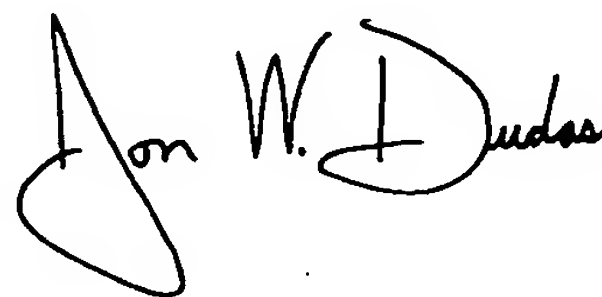Line 54, after "θ_{T1}" remove "it"

Column 26

Line 8, change "1A" to --10A--

Line 13, change "path Beans" to --path. Beams--

Line 16, change "element" to --elements--

Line 30, before "Equations" remove "equations"

Line 40, change "lent" to --length--

Column 27

Line 2, change "se" to --serving--

Line 4, change "bean" to --beam--

Line 7, change " $\theta_{T1}, > \theta_{R2}$" to --$\theta_{T1} > \theta_{R2}$--

Line 12, change "Bach" to --Each--

Line 31, change "able" to --example--

Signed and Sealed this

Fourteenth Day of October, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office